

# MEMORANDUM

## DEPARTMENT OF TRANSPORTATION

Region 1 Mountain Residency  
P.O. Box 399  
Dumont, CO 80436  
303-512-5600



Project No. C 0703-378  
Project Desc: I-70 Frontage Road  
Construction Sub Account: 18648

Date: November 30<sup>th</sup>, 2011

To: Meeting Invitees

From: Benjamin Acimovic, PE I, Mountain Residency  
I-70 Frontage Road Project Manager

Subject: I-70 Frontage FIR Meeting Agenda

9:00 AM, 425 C Corporate Circle, Golden, Colorado, 80401  
Trail Ridge Conference Room

- I. Scoping, budgeting and programming
  - a. Overall Project Limits
    - i. Phase I: Doghouse Rail Bridge to Hidden Valley
      - 1. Twin Tunnels will impact CR314 just west of Hidden Valley
      - 2. Final Design will transition to stop at the point where Twin Tunnels has use and impacts the Frontage Road.
    - ii. All work should be within CDOT or County ROW for Phase I
    - iii. ROW in the form of easements and acquisition will be required for some Phase II areas
  - b. Budget/Funding
    - i. Phase I: \$6.250 Million (Fully Funded State Funds)
    - ii. Phase II: TBD
  - c. Estimated Cost
    - i. Phase I: \$6.6 million with contingency factors. This cost will come down as plans are finalized for FOR stage for Phase I.
    - ii. Phase II: \$12.7 Million
    - iii. All estimates have contingency included until survey verifies aerial data and plans are further along. Estimates have not been submitted to EEMA for analysis yet.
  - d. Schedule – Phase I
    - i. Design
      - 1. FIR 12/1/2011
      - 2. FOR March 2012
    - ii. Construction
      - 1. April 2012 Advertisement
      - 2. June 2012 to October 2012 Construction
  - e. Schedule - Phase II Improvements
    - 1. Jan 2012 – Catex Clearance for Phase I & II
    - 2. Explore impacts and issues on Phase II – ROW, etc.
- II. Road Way Design
  - a. Cross Sections
  - b. Decision Areas
  - c. Greenway Task Force

- III. Traffic
  - a. Accident Data
  - b. Lighting
  - c. Permanent Striping
  - d. Construction Traffic Control
    - i. Does the CDOT Lane Closure Report
  - e. Traffic Management Organization (TMO) – Does this apply?
  - f. Sign Replacement
  - g. Traffic Projections
  - h. Accesses
    - i. Doghouse Bridge
    - ii. Bell Property
    - iii. Business Access for west area
    - iv. Rafting, Bike, Fishing, Ped traffic – Bike Route
  
- IV. Bridge/Structures
  - a. Rockery Walls – Majors Structures need numbers;
  - b. Cantilever Structures – Major Structures need numbers;
  - c. Doghouse Bridge - Twin Tunnels
  
- V. Materials
  - a. Stabilization Plan/Recommendations
    - i. The pavement cores from CR 314 and the spur range in thickness from 2.25” to 7.0”. A conservative thickness of 2.25” is used for overlay design calculations.
    - ii. Stabilization Report and Plan – 10/27/2011
    - iii. The Materials Unit recommends that the existing frontage road and spur be overlaid with 3.5” of asphalt Gr SX(75) PG 58-28. The overlay shall be placed in two lifts, a bottom lift of 1.5” and a top lift of 2”. Where required, the road will be widened with 4.5” of asphalt on grade, also Gr SX(75) PG 58-28. The widening section shall be constructed in two lifts, a bottom lift of 2.5” and a top lift of 2”. The top lift of 2” shall be full-width over both the overlay and widening sections.
    - iv. Total pavement costs for the detour road are approximately \$500,000. As per the CDOT Pavement Design Manual, no Life Cycle Cost Analysis is required.
  - b. Pavement Analysis
  - c. Pavement Justification Letter
  - d. Preliminary Soil Survey
    - i. Cores for Contaminates Testing – Mine Tailings or Rock
    - ii. Cores still available.
  - e. Alternative Pavement Design
    - i. No Life Cycle required. HMA will be the selected pavement.
  - f. Timeline for FOR Plans
  
- VI. Hydraulics
  - a. Hydrology – 2 Year and 100 year Flood Plain, Ordinary High water mark
  - b. LOMA - Any required reports, quick brief on hydraulics meeting from Samer or AI?
  - c. Hydrology (Drainage Report)
  - d. Hydraulic Report
  - e. Timeline for FOR Plans
  
- VII. Maintenance Issues
  - a. Idaho Springs
  - b. Clear Creek County
    - i. 8’ or 10’ trail
  - c. Drainage Issue areas
  - d. Guardrail
    - i. New Guardrail
    - ii. Types of Guardrail
  - e. Sediment/Snow Removal Issues

- i. Clear Creek County
  - ii. CDOT
- VIII. Environmental/Landscape
  - a. Public Involvement – PLT/TT and CSS Process
    - i. PLT/TT Meetings
      - 1. December 15<sup>th</sup>, 2011, 1pm to 4pm in Idaho Springs at City Hall
      - ii. Master Communications and Meetings Booklet Update – 12/1/2011
      - iii. CCC, Idaho Springs, CDOT Meeting to finalized buy in and decisions for Phase I
      - iv. PLT/TT endorsement tentatively at Dec 15<sup>th</sup>, 2011 meeting.
    - b. CSS Status (Janet and Jason)
    - c. Form 128 – Will follow prelim/final 463 mid-December
    - d. Form 463 – Will start after all decisions final, mid-December
    - e. Roles and Responsibilities Matrix - Janet
    - f. Section 106
    - g. Section 4(f) – Improvements to Bike Path, separate path
    - h. Section 6(f)
    - i. Historic, Archaeology, Paleontology, Floodplains
    - j. Wetlands
      - i. Impacts and Mitigation
      - ii. Impacts on Phase I
      - iii. Less than ½ Acre on Phase II
      - iv. Do we need to cover impacts for Phase II for Cat Ex.
    - k. Division of Wildlife (SB 40)
    - l. T & E Species
    - m. Hazardous Waste and Materials
      - i. ESA I Study by Pinyon through David Singer and Marc Morton
    - n. Noise Analysis
    - o. Air Quality
    - p. 401 Certification
    - q. 402 Permit
    - r. 404 Permit - ACOE
    - s. Permanent Best Management Practices (BMPs)
    - t. Water Quality
    - u. SWEEP
    - v. ALIVE
    - w. CDPHE Permit, Erosion Control, Landscaping & Seeding, Wildflowers, Noxious Weeds
    - x. SWMP
      - i. Inspection
      - ii. Plan
    - y. Water Monitoring Wells
- IX. Right of Way and Utilities
  - a. Xcel and Qwest
    - i. Relocation of Utility Lines Update
  - b. ROW Update
    - i. Impacts Phase I
    - ii. Impacts Phase II
      - 1. Western Decision Area
      - 2. Gravel Road Decision Area
      - 3. Easter Decision Area - Possible Twin Tunnels Impacts Dec 2012
        - a. Needs impact analysis by EA. Should have by Jan 2012
  - c. Woolpert Survey Update
    - i. Survey Complete and Out to teams.
    - ii. <http://www.coloradodot.info/projects/i70twintunnels/cmgc> under 2011 Woolpert Survey but also available via FTP site with Baker.
  - d. Utility Clearance
    - i. Xcel
    - ii. Qwest
- X. Agreements, Justifications, and Approvals

- a. ADA
  - b. Bicycle and pedestrian issues
  - c. Safety Review
  - d. Resurfacing project letter
  - e. Hydraulic Design
    - i. Erosion control
    - ii. Storm water quality management
  - f. Special Provisions
  - g. Local agency Agreements – Only if Town/County Funds involved.
- XI. General
- a. 859
  - b. Method of construction
  - c. OJT/ DBE
- XII. Plan Review (If Applicable.)
- XIII. OTIS and/or Site Inspections